

(12) **United States Patent**  
**Hayslett et al.**

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(54) **PORTABLE WATER BOTTLE ASSEMBLY  
HAVING A REPLACEABLE FILTER  
CARTRIDGE**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

A portable bottle for filtering drinking water is disclosed that includes a bottle having a threaded opening, a cover for cooperating with the threaded opening of the bottle and including a top wall having a plurality of internal engagement lugs depending downwardly from an interior surface of the top wall, a filter cartridge including an end cap having a circumferential side wall that includes a plurality of engagement ribs for cooperating with the engagement lugs of the cover, and a spout including a compressible circumferential flange configured to be positioned between the interior surface of the top wall of the cover and the upper surface the end cap of the filter cartridge to provide a resilient biasing force therebetween.

**20 Claims, 9 Drawing Sheets**

